# Day 22 -- Concept Questions

Name: _____     CM: _____

1. Consider the matrix, A:

| A <5x5 double> | | | | |
|---|---|---|---|---|
| **1** | **2** | **3** | **4** | **5** |
| -0.8095 | 1.3703 | 0.3129 | 1.0933 | -1.1135 |
| -2.9443 | -1.7115 | -0.8649 | 1.1093 | -0.0068 |
| 1.4384 | -0.1022 | -0.0301 | -0.8637 | 1.5326 |
| 0.3252 | -0.2414 | -0.1649 | 0.0774 | -0.7697 |
| -0.7549 | 0.3192 | 0.6277 | -1.2141 | 0.3714 |

Write a short code using : that will put the first column of A in a vector called x and the second column of A in a vector called y:

2. Again considering the matrix, A, from problem 1 write one line of code using : that will compute the mean value of the $3^{rd}$ row of A.

3. Consider the following lines of code:

```
x = [1, 2, 3, 4];
y = [6, 8, 10, 12];
z = x .* y;
```

What is z after this code scrap runs?